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Emergencies: Be Food Safe uring

Reserve aTX531 B44 2007 Or or

### Power Outages, Fires Floods





United States Department of Agriculture



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### POWER OUTAGES & FOOD SAFETY

### PLAN AHEAD

- and freezer. Make sure the refrigerator temperature is at Keep an appliance thermometer in both the refrigerator 40 °F or below and the freezer is at 0 °F or below.
- Group foods together in both the refrigerator and freezer. This helps foods stay cold longer.
- Keep the freezer full. Fill empty spaces with frozen plastic jugs of water, bags of ice, or gel packs.
- poultry. This will keep them at a safe temperature longer. immediately, such as leftovers, milk, and fresh meat and Freeze refrigerated items that you may not need
- available. Perishable foods will stay safe in a refrigerator Have a large, insulated cooler and frozen gel packs only 4 hours.
- Find out where dry ice and block ice can be purchased.

## **DURING A POWER OUTAGE**

- Keep refrigerator and freezer doors closed.
- the power is off longer, you can transfer food to a cooler enough ice to keep food in the cooler at 40 °F or below. The refrigerator will keep food safe for up to 4 hours. If and fill with ice or frozen gel packs. Make sure there is Add more ice to the cooler as it begins to melt.
- approximately 48 hours (24 hours if it is half full). A full freezer will hold the temperature for
- be out for a prolonged period. Fifty pounds of dry ice Obtain dry ice or block ice if your power is going to (Caution: Do not touch dry ice with bare hands should hold an 18-cubic-foot freezer for 2 days. or place it in direct contact with food.)
- thin packages will defrost faster than large, thick items In freezers, food in the front, in the door, or in small, or food in the back or bottom of the unit.
- cans with water and leave them outside to freeze. Use the Instead, make ice. Fill buckets, empty milk containers, or homemade ice in your refrigerator, freezer, or coolers. During a snowstorm, do not place perishable food out can be exposed to unsanitary conditions and animals. in the snow. Outside temperatures can vary and food

## **AFTER A POWER OUTAGE**

**Never** taste food to determine its safety. If In Doubt, Throw It Out!

## REFRIGERATED FOODS

#### **Unsafe Foods**

- Discard the following if your refrigerator has been without power for more than 4 hours:
- · raw, cooked, or leftover meat, poultry, fish, eggs, and egg substitutes;
- Iuncheon meat and hot dogs;
- · casseroles, soups, stews, and pizza;
- mixed salads (i.e., chicken, tuna, macaroni, potato);
  - · gravy and stuffing;
- milk, cream, yogurt, sour cream, and soft cheeses;
  - cut fruits and vegetables (fresh);
- cooked vegetables;
- · fruit and vegetable juices (opened);
  - creamy-based salad dressings;
- batters and doughs (i.e., pancake batter, cookie dough);
  - · custard, chiffon, or cheese pies;
    - · cream-filled pastries; and
- garlic stored in oil.
- Discard opened mayonnaise, tartar sauce, and horseradish if they were held above 50 °F for over 8 hours.
- have become contaminated by juices dripping from raw Discard any foods like bread or salad greens that may meat, poultry, or fish.
- In general, if any food has an unusual odor, color, or texture, throw it out.

### SAFE-TO-EAT FOODS

- pickles, non-creamy salad dressings, jams, and jellies; High-acid foods such as mustard, ketchup, relishes, however, they may spoil sooner.
- foods may be used unless they turn moldy or have an Foods that don't actually require refrigeration. These unusual odor:
- whole fruits and vegetables (fresh);
- fruit and vegetable juices (unopened);
- · dried fruits and coconut;
- and cakes (except those with cream cheese frosting or baked goods such as fruit pies, bread, rolls, muffins, cream fillings);
- hard and processed cheeses;
- butter and margarine;
- fresh herbs and spices;
- flour; and
- nuts.



### **FROZEN FOODS**

### Safe-to-Eat Foods

- Frozen foods that have thawed, but still contain ice
- 40 °F or below. They may be safely refrozen; however, Foods that have remained at refrigerator temperatures their quality may suffer.
- Foods that don't actually need to be frozen. These foods may be used unless they turn moldy or have an unusual
- · dried fruits and coconut;
- and cakes (except for those with cream cheese frosting · baked goods including fruit pies, bread, rolls, muffins, or cream fillings);
- hard and processed cheeses;
- butter and margarine;
- fruit juices; and
- · nuts.
- Never taste food to determine its safety.



### REFRIGERATORS AND FREEZERS REMOVING ODORS FROM

# The following steps may have to be repeated several times:

- Dispose of any spoiled or questionable food.
- thoroughly with hot water and detergent. Then rinse with a sanitizing solution of 1 tablespoon of unscented, liquid Remove shelves, crispers, and ice trays. Wash them chlorine bleach per gallon of drinking water.
- ing the door and gaskets, with hot water and baking soda. Wash the interior of the refrigerator and freezer, includ-Rinse with a sanitizing solution (see above).
- Leave the door open for about 15 minutes.

## If odor remains, try any or all of the following:

- Wipe the inside of the unit with equal parts of vinegar and water to destroy mildew.
- Leave the door open and allow to air out for several days.
- Keep the door closed for several days. Remove the news-Stuff the refrigerator and freezer with rolled newspapers. paper and clean with vinegar and water.
- Sprinkle fresh coffee grounds or baking soda loosely in a large, shallow container in the bottom of the unit.
- Place a cotton swab soaked with vanilla extract inside the freezer. Keep the door closed for 24 hours.
- Use a commercial product available at hardware and houseware stores. Follow the manufacturer's instructions.

Note: If odors still remain, the unit may need to be discarded.

## FLOODING & FOOD SAFETY



#### Plan Ahead

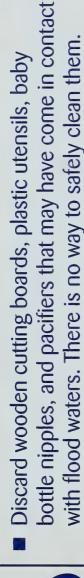
- If possible, raise refrigerators and freezers off the floor, putting cement blocks under their corners.
- Move canned goods and other foods that are kept in the basement or low cabinets to a higher area.

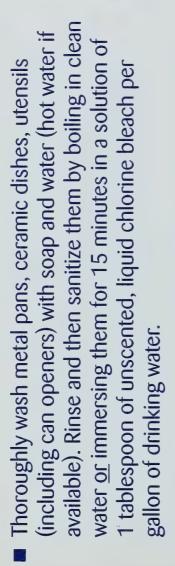
#### **After a Flood**

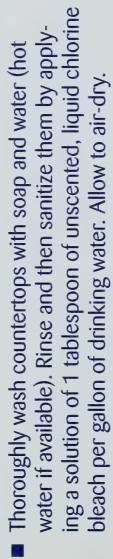
- Use bottled drinking water that has not come in contact with flood water.
- Do not eat any food that may have come in contact with flood water.
- there any chance it may have come in contact with flood those with screw-caps, snap lids, pull tops, and crimped Discard any food that is not in a waterproof container if water. Food containers that are not waterproof include
- home canned foods if they have come in contact with flood Also discard cardboard juice/milk/baby formula boxes and waters. They cannot be effectively cleaned and sanitized.
- holes, fractures, extensive deep rusting, or crushing/dent-Inspect canned foods; discard any food in damaged cans. ing severe enough to prevent normal stacking or opening Can damage is shown by swelling, leakage, punctures, with a manual, wheel-type can opener.

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# FLOODING & FOOD SAFETY (continued)







flood waters — even partially, it is unsafe to use and must be discarded. Make certain you "childproof" the units so Note: If your refrigerator or freezer was submerged by children cannot get trapped inside.

## Salvaging All-Metal Cans & Retort Pouches

and retort pouches (for example, flexible, shelf-stable juice or Undamaged, commercially prepared food in all-metal cans seafood pouches) can be saved if you do the following:

- 1. Remove the labels if possible. They can harbor dirt and
- 2. Thoroughly wash the cans or retort pouches with soap and water (use hot water if available).

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# FLOODING & FOOD SAFETY (continued)



- 3. Brush or wipe away any dirt or silt.
- Rinse the cans or retort pouches with water that is safe for drinking (if available). Dirt or residual soap will reduce the effectiveness of chlorine sanitation.
- Then sanitize them by immersion in one of the following 5.
- Place in water. Allow the water to come to a boil for 2 minutes.

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- spoon of unscented, liquid chlorine bleach per gallon of drinking water (or the cleanest, clearest water available) Place in a freshly made solution consisting of 1 tablefor 15 minutes.
- 6. Allow to air-dry for a minimum of 1 hour before opening or storing.
- Relabel the cans or retort pouches with a marker. Include the expiration date if available.
- Use the food in these reconditioned cans and retort pouches as soon as possible. ∞
- 9. Any concentrated baby formula in reconditioned, all-metal containers must be diluted with clean, drinking water.



## FIRES & FOOD SAFETY

- Discard all food that has been near a fire. Food exposed chemicals cannot be washed off food. These include: to fire can be damaged by the heat of the fire, smoke fumes, and fire-fighting chemicals. These fumes and
- Foods stored outside the refrigerator, such as bread, fruits, and vegetables.
- Raw food or food in permeable packaging (cardboard, plastic wrap, etc.)
- appear to be okay, the heat from a fire can damage the All foods in cans, bottles, and jars. While they may containers and can activate food spoilage bacteria.
- Foods stored in refrigerators or freezers. Refrigerator seals are not airtight and fumes can get inside.
- 15 minutes in a solution of 1 tablespoon of unscented, by washing in soap and hot water. Then submerge for Sanitize cookware exposed to fire-fighting chemicals liquid chlorine bleach per gallon of drinking water.



For additional information about food safety during an emergency, in English and Spanish, call:

#### USDA Meat and Poultry Hotline 1-888-MPHotline (1-888-674-6854)

TTY: 1-800-256-7072

Open Monday through Friday from 10:00 am to 4:00 pm ET. Recorded food safety messages are available 24 hours

"Ask Karen" a food safety question: askkaren.gov **USDA Food Safety and Inspection Service** www.fsis.usda.gov Other sources of emergency food safety information:

U.S. Food and Drug Administration www.cfsan.fda.gov

Centers for Disease Control and Prevention www.cdc.gov

Federal Emergency Management Agency www.fema.gov

Civil Defense can also offer additional information Your local chapter of the American Red Cross or about emergency management.

programs.) Persons with disabilities who require alternative means sex, marital status, familial status, parental status, religion, sexual race, color, national origin, age, disability, and where applicable, because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all for communication of program information (Braille, large print, discrimination in all its programs and activities on the basis of discrimination, write to USDA, Director, Office of Civil Rights, orientation, genetic information, political beliefs, reprisal, or audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of (202) 720-6382 (TDD). USDA is an equal opportunity The U.S. Department of Agriculture (USDA) prohibits 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or provider and employer.





